

PATENT
8062-1027

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Teruhiko OISHI

Conf. 2292

Application No. 10/527,802

Group 1797

Filed September 22, 2005

Examiner A. Fortuna

PLASMA PURIFICATION MEMBRANE AND PLASMA
PURIFICATION SYSTEM

DECLARATION

Assistant Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

1. I, Teruhiko OISHI, a named inventor, am a citizen of Japan and reside at 579, Miyajima, Shizuoka, Fuji-shi, 416-0945, Japan.

2. I am familiar with the above-identified U.S. patent application, its prosecution before the United States Patent and Trademark Office, and the applied references of OISHI et al. (U.S. Patent No. 6,165,363) and KAWATA et al. (U.S. Patent No. 5,340,480). I am also one of the inventors of OISHI et al. and have an intimate knowledge of the technology of that patent.

Important aspects of my resume are as follows:

1988 Graduated from Industrial Chemistry of Engineering Department of Meiji University.

1990 - Completed master's course of the Industrial Chemistry of Engineering Department of Meiji University.

1990-1998 - Engaged in the development of many ultra-filtration membranes and micro-filtration membranes at Development Department of Functional Membranes of Asahi Kasei Kabushiki Kaisha.

1999-2001 - Engaged in the development of leukocyte-removing membranes at Oita Development Laboratory of Asahi Kasei Medical Co., Ltd.

2001-2003/6 - Engaged in the development of blood-purifying membrane at Development Laboratory 1 of Asahi Kasei Medical Co., Ltd.

2003/7 - Intellectual Property Management Department of Asahi Kasei Kuraray Medical Co., Ltd.

3. In order to demonstrate the patentability of the present invention, I am submitting the following observations and data.

Hollow fiber membranes were prepared exactly by the method described in Examples 1-5 of the specification of the present application.

The void content of the hollow fiber membranes of the present invention were determined exactly according to the method of OISHI et al. (U.S. Patent No. 6,165,363).

The results are set forth in the following table:

	Example 1	Example 2	Example 3	Example 4	Example 5
Void Content (%)	75.5	76.0	79.8	75.1	75.7

As a result, the void content of the present invention in light of the breaking stress of 71 kgf/cm² or more represents a truly unexpected result over the applied art.

4. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date 2009.4.9

Teruhiko Oishi
Teruhiko OISHI